

ABSTRACT OF THE DISCLOSURE

A system and method for decrypting all encrypted data packets captured from at least one of a plurality of access points in a wireless network. In the wireless network, each access point operates on its own channel, preferably using its own key or keyset. A profile is established containing all keysets for all access points. The profile is stored on the network in an encrypted form that can only be viewed through network analyzer software. The network analyzer software uses the profile to access all of the keys in use without an individual having to manually enter any key data into the analyzer software. The network analyzer can perform iterative decryption steps using all keysets in the profile until all encrypted data is decrypted.

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